

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------------|------------------|---------|------------------|
| L1 | 7 | (375/130.ccls. or 375/136.ccls. or 375/142-144.ccls. or 375/147-152.ccls.) and ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) and ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) and (even adj2 sampl\$5) and (odd adj2 sampl\$5) and ((select\$5 or choos\$5 or switch\$5) with (even or odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/09/12 10:19 |
| L2 | 48 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) and ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) and (even adj2 sampl\$5) and (odd adj2 sampl\$5) and ((select\$5 or choos\$5 or switch\$5) with (even or odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/09/12 10:22 |
| L3 | 41 | L2 not L1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/09/12 10:22 |
| L4 | 12 | ((even and odd) and (in-phase or inphase) and quadrature and "PN").clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/09/12 10:30 |
| S1 | 6 | (select\$5 or choos\$5) near3 (quadrature and (in adj1 phase)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 11:35 |

| | | | | | | |
|-----|-----|--|------------------------------------|----|-----|------------------|
| S2 | 15 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) same (spread\$4 or despread\$4 or de-spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/19 10:35 |
| S3 | 2 | ("5267260").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 11:42 |
| S4 | 2 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) same ("PN" or pseudorandom or random) adj1 (code or sequence)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:33 |
| S5 | 0 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) same ((select\$5 or choos\$5) with (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 13:26 |
| S6 | 0 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) and ((select\$5 or choos\$5) with (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 13:26 |
| S7 | 450 | ((select\$5 or choos\$5) with (quadrature or (in adj1 phase))) and ((select\$5 or choos\$5) with (even or odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/10 16:51 |
| S8 | 136 | ((select\$5 or choos\$5) with ("I" and "Q")) same (despred\$4 or spread\$4 or de-spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 13:42 |
| S9 | 54 | ((select\$5 or choos\$5) with ("I" and "Q")) same ((select\$5 or choos\$5) with (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 16:54 |
| S10 | 2 | ("6546044").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 16:54 |
| S11 | 1 | S10 and "35" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/23 16:54 |

| | | | | | | |
|-----|------|--|------------------------------------|----|----|------------------|
| S12 | 16 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) same (spread\$4 or despread\$4 or de-spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/19 10:55 |
| S13 | 4 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) same ("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/19 10:59 |
| S14 | 4 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) same ("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence or pattern) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/19 10:50 |
| S15 | 1348 | ((select\$5 or choos\$5 or switch\$4) with ("I" or "Q")) same (spread\$4 or despread\$4 or de-spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/19 10:50 |
| S16 | 4 | ((select\$5 or choos\$5 or switch\$4) with (quadrature and (in adj1 phase))) same ("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence or pattern) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/19 10:50 |
| S17 | 16 | ((select\$5 or choos\$5 or switch\$4) with (quadrature and (in adj1 phase))) same (spread\$4 or despread\$4 or de-spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/19 10:58 |
| S18 | 123 | ((select\$5 or choos\$5) with "I" and "Q") same ("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/20 15:32 |

| | | | | | | |
|-----|----|---|------------------------------------|----|-----|------------------|
| S19 | 4 | (("5267250") or ("5956328")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:23 |
| S20 | 12 | ((select\$5 or choos\$5) with "I" and "Q") same (("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/20 15:32 |
| S21 | 38 | ((select\$5 or choos\$5) with "I" and "Q") and (("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/20 15:32 |
| S22 | 43 | ((select\$5 or choos\$5 or switch\$4) with "I" and "Q") and (("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/20 15:34 |
| S23 | 1 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) and (("PN" or pseudorandom or random) adj1 (code or sequence))).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:37 |
| S24 | 1 | ((select\$5 or choos\$5 or switch\$4) with (quadrature and (in adj1 phase))) and (("PN" or pseudorandom or random) adj1 (code or sequence))).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:36 |
| S25 | 3 | ((select\$5 or choos\$5) with (quadrature and (in adj1 phase))) and (("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence))).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:38 |

| | | | | | | |
|-----|----|---|---|----|-----|---------------------|
| S26 | 3 | ((select\$5 or choose\$5 or switch\$4) with (quadrature and (in adj1 phase))) and ((("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence))).clm. | US-PPGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:38 |
| S27 | 31 | ((select\$5 or choose\$5 or switch\$4) with ("I" and "Q")) and ((("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence))).clm. | US-PPGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:40 |
| S28 | 0 | S27 not S22 | US-PPGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:39 |
| S29 | 0 | ((select\$5 or choose\$5 or switch\$4) with ("I" and "Q")) and ((("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)) and ((select\$5 or choose\$5 or switch\$4) with (even and odd))).clm. | US-PPGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/10 16:14 |
| S30 | 4 | ((select\$5 or choose\$5 or switch\$4) with ("I" and "Q")) same ((("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)) same ((select\$5 or choose\$5 or switch\$4) with (even and odd))) | US-PPGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:43 |

| | | | | | | |
|-----|------|---|------------------------------------|----|-----|------------------|
| S31 | 2 | ((select\$5 or choos\$5 or switch\$4) with (quadrature and ("in-phase")))) and ((("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)) and ((select\$5 or choos\$5 or switch\$4) with (even and odd))). clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:51 |
| S32 | 2 | ((select\$5 or choos\$5 or switch\$4) with (quadrature and ("in-phase")))) same ((("PN" or pseudorandom or random or spread\$4) adj1 (code or sequence)) same ((select\$5 or choos\$5 or switch\$4) with (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/20 15:51 |
| S33 | 34 | ((select\$5 or choos\$5 or switch\$4) near3 (quadrature or ("in" adj1 phase))) same ("PN" or pseudorandom or random) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 18:42 |
| S34 | 58 | ((select\$5 or choos\$5 or switch\$4) near3 (quadrature or ("in" adj1 phase))) same ("PN" or pseudorandom or random or spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 18:51 |
| S35 | 2504 | ((select\$5 or choos\$5 or switch\$4) near3 ("I" or "Q")) same ("PN" or pseudorandom or random or spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 18:53 |
| S36 | 76 | ((select\$5 or choos\$5 or switch\$4) near3 ("I" or "Q")) same ("("PN" or pseudorandom or random or spread\$4) adj1 (code or chips)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 18:53 |

| | | | | | | |
|-----|-----|---|------------------------------------|----|----|------------------|
| S37 | 24 | ((select\$5 or choos\$5 or switch\$4) near3 ("I" or "Q")) same (("PN" or pseudorandom or random or spread\$4) adj1 (code or chips)) same (add\$4 or sum\$4 or combin\$4 or accumulat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 19:05 |
| S38 | 76 | ((select\$5 or choos\$5 or switch\$4) near3 ("I" or "Q")) same (("PN" or pseudorandom or random or spread\$4) adj1 (code or chips)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 19:05 |
| S39 | 52 | S38 not S37 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/02/12 19:11 |
| S40 | 957 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or quadrature or "I" or "Q" or inphase)) same ((select\$5 or choos\$5 or switch\$5) with odd with even) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 16:17 |
| S41 | 96 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I") with (quadrature or "Q")) same ((select\$5 or choos\$5 or switch\$5) with odd with even) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 16:43 |
| S42 | 18 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even adj2 sampl\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 15:58 |

| | | | | | | |
|-----|------|--|------------------------------------|----|-----|------------------|
| S43 | 16 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (odd adj2 sampl\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 16:47 |
| S44 | 18 | S42 or S43 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 16:47 |
| S45 | 2634 | 375/130.ccls. or 375/136.ccls. or 375/142-144.ccls. or 375/147-150.ccls. and ((select\$5 or choos\$5) with (quadrature or ((in adj1 phase or inphase or in-phase)))) same ((select\$5 or choos\$5) with (even or odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/10 16:53 |
| S46 | 2633 | 375/130.ccls. or 375/136.ccls. or 375/142-144.ccls. or 375/147-150.ccls. and ((select\$5 or choos\$5) with (quadrature or ((in adj1 phase or inphase or in-phase)))) same ((select\$5 or choos\$5) with (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/10 16:53 |
| S47 | 2632 | 375/130.ccls. or 375/136.ccls. or 375/142-144.ccls. or 375/147-150.ccls. and ((select\$5 or choos\$5) with (quadrature and ((in adj1 phase or inphase or in-phase)))) same ((select\$5 or choos\$5) with (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/10 16:53 |

| | | | | | | |
|-----|---------|--|------------------------------------|----|-----|------------------|
| S48 | 3 | (375/130.cls. or 375/136.cls. or 375/142-144.cls. or 375/147-150.cls.) and (((select\$5 or choos\$5) with (quadrature and ((in adj1 phase or inphase or in-phase)))) same ((select\$5 or choos\$5) with (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/10 17:58 |
| S49 | 105 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even)) same ((select\$4 or choos\$5 or switch\$5) with (odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:37 |
| S50 | 9637395 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd) s | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 16:00 |
| S51 | 104 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:36 |
| S52 | 105 | S49 or S51 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 16:00 |

| | | | | | | |
|-----|-----|---|------------------------------------|----|----|------------------|
| S53 | 24 | (375/130.ccls. or 375/136.ccls. or 375/142-144.ccls. or 375/147-150.ccls.) and ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/30 09:39 |
| S54 | 11 | (((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 20:55 |
| S55 | 39 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same even same odd same ((even or odd) with (cod\$4 or "PN" or pseudorandom or random)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:38 |
| S56 | 105 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even)) same ((select\$4 or choos\$5 or switch\$5) with (odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:38 |

| | | | | | | |
|-----|-----|--|------------------------------------|----|-----|------------------|
| S57 | 104 | ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:38 |
| S58 | 105 | S56 or S57 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:38 |
| S59 | 7 | S55 not S58 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/29 21:39 |
| S60 | 26 | ((375/130.cols. or 375/136.cols. or 375/142-144.cols. or 375/147-152.cols.) and ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos\$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/30 09:39 |
| S61 | 48 | ((("6185427") or ("6208290") or ("6208291") or ("6215441") or ("6215442") or ("6236354") or ("6239742") or ("6259399") or ("6272430") or ("6289041") or ("6307504") or ("6313786") or ("6314308") or ("6377209") or ("6408196") or ("6411254") or ("6411892") or ("6417801") or ("6421002") or ("6429814") or ("6433731") or ("6453237")) or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/14 09:41 |

| | | | | | | |
|-----|--------|--|--|----|-----|---------------------|
| | | ("6487499") or ("6484097") or ("6510387") or ("6542821") or ("6583757") or ("6597311").PN. | | | | |
| S62 | 1 | S61 and (even same odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/14 09:41 |
| S63 | 31 | ("4485477" "5007068" "5175557" "5440311" "5586148" "5852630" "6005885" "6005903" "6044105" "6130906" "6151353" "6198765" "6225943" "6356602" "6714983").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/11 13:34 |
| S64 | 2 | S63 and even and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/11 13:35 |
| S65 | 900926 | S63 and computer or software | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/11 14:34 |
| S66 | 10 | S63 and (computer or software) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/11 14:34 |
| S67 | 2 | "6130906".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/09/10 11:09 |
| S68 | 29 | (375/130.ccls. or 375/136.ccls. or 375/142-144.ccls. or 375/147-152.ccls.) and ((select\$5 or choos\$5 or switch\$5) with (in-phase or inphase or "I")) same ((select\$5 or choos \$5 or switch\$5) with (quadrature or "Q")) same ((select\$4 or choos\$5 or switch\$5) with (even) with odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/09/11 18:32 |

9/12/09 11:22:02 AM

C:\Documents and Settings\COdom\My Documents\EAST\Workspaces\09604595.wsp